



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION OF)
ERNST-RUDOF F. GESING ET AL) GROUP NO.: 1614)
SERIAL NUMBER: 10/049,725	<i>)</i>)
FILED: MARCH 20, 2002	<i>)</i>)
TITLE: SUBSTITUTED N-CYANO AMIDINES	<i>)</i>)

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97(b)

Assistant Commissioner for Patents Washington, D.C. 20231
Sir:

This disclosure statement under 37 CFR 1.97 & 1.98 is submitted before the first Office Action in order that the Patent and Trademark Office may consider the relevancy of certain information to the invention described and claimed in the subject application, and in compliance with the regulations concerning information disclosure statements, copies of documents and any corresponding English language equivalents listed on the attached Form PTO are enclosed.

hereby certify that this correspondence is being deposited ith the United States Postal Service as first class mail in an inveloped addressed to: Assistant Commissioner for atents, Washington, D.C. 20231 $\underline{-1/16/03}$	7
Date	-
Raymond J. Harmuth, Reg. No. 33,896	
ame of applicant, assigner of Registered Representative	
January 16, 2003	-
Date	-

Concise statements of the presently understood relevance of each of the documents are found in the specification filed.

This Information Disclosure Statement should not be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, that any document mentioned herein constitutes prior art, or that the documents listed severally or in any combination with one another or with any other information, are believed to render any claim in the subject application prima facie unpatentable.

Respectfully submitted,

Paymond L

Attorney for Applicants

Reg. No. 33,896

Bayer Corporation 100 Bayer Road Pittsburgh, Pennsylvania 15205-9741 (412) 777-8366 FACSIMILE PHONE NUMBER: (412) 777-8363 Io/HARMUTH/rjh021

Sheet <u>1</u> of <u>5</u> Patent and Trademark Office

LIST OF PRIOR ART CITED BY APPLICANT Atty. Docket No. Form PTO 1449 Serial No. Rev. 7-80 Mo-6750 / LeA 33,707 10/049,725 Applicant (Use Several Sheets If Necessary) Ernst-Rudof F. Gesing et al Filing Date Group March 20, 2002 1614 **U.S. PATENT DOCUMENTS**

			0.5. r A i i	THE DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	AA	3,953,506	04/27/76	(Bel. to corresp. to DE Spicer et al	25,05,301) 260	553 A	
	AB	3,953,606	04/27/76	(Bel. to corresp. to DE Spicer et al	25,05,301) 424	332	
	AC	4,005,140	01/25/77	(Bel. to corresp. to DE Spicer et al	25,05,301) 260	553 A	
	AD	4,062,856	12/13/77	(Bel. to corresp. to DE Spicer et al	25,05,301) 260	295.5 B	80
	AE	*4,661,520	04/28/87	Dunbar et al	514	609	"CO
	AF	*4,684,398	08/04/87	Dunbar et al	71	98 EC	JAN S
	AG	4,689,348	08/25/87	Dunbar et al	514	609	N/ER 1600/20
10	АН						59 1600
	AI						20/20
	AJ						
	AK						

			FOREIG	N PATENT DOCUMENTS				
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	
ļ							Yes	No
	AL	*199 24 273	01/20/00	Germany				
	АМ	*314 852	05/10/89	Europe				
	AN	*347 378	12/20/89	Europe				
	AO	*412 531	02/13/91	Europe				-
	AP	*389 861	10/03/90	Europe				

	OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)
	J. Am. Chem. Soc. (month unavailable) 1982, 104, pgs. 235-239, "5-Methyladenine: A Transient
AR	Intermediate in a Translocative Rearrangement" by R. S. Hosmane, V. Bakthavachalam, and
	N. J. Leonard.
	J. Agric. Food Chem. (month unavailable) 1989, 37, pgs. 809-814, "Synthesis and Herbicidal of
AS	Some Novel Cyanoguanidines and Related Cyanoisothioureas", by J. E. Dunbar, B. S. Nader,
	B. C. Gerwick, D. M. Hedstrand, E. P. Woo and S. L. Bass.
	Synthesis, May 1983, pgs. 402-404, "A Simple Unambiguous Synthesis of 2-Amino-4-oxo-and
AT	-4-thioxo-3, 4-dihydropyrimidene-5-carbonitriles" by M. A. Perez, J. L. Soto and J. R. Carrillo.
EXAMINER	DATE CONSIDERED

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

Copies of documents previously submitted by WIPO.

March 20, 2002

Form PTO 1449 Rev. 7-80

U.S. Department of Commerce

Patent and Trademark Office

LIST OF PRIOR ART CITED BY APPLICANT

(Use Several Sheets If Necessary)

444 5	
Atty. Docket No.	Serial No.
Mo-6750 / LeA 33,707	10/049,725
Applicant	
Ernst-Rudof F. Gesing et al	
Filing Date	Group

1614

ILS PATENT DOCUMENTS

		U.S. PAIENI	DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	R DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
AA	4					
AE	3					
AC						5
A)					
AE	<u> </u>				150, 4	ER 2003
AF					CEA	23
AC	3				"//	Ep, 1003
Al	1					1000/20
Ai						1000
A						
Ar						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL	ATION
 						Yes	No
 AL	*95/02589	01/26/95	World				
 AM	*275 603	07/27/88	Europe			-	
 AN							
AO							
AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	OTTEXT MORARY (moldaling Nathor, Title, Date, 1 etillett 1 ages, Etc.)
	Synthesis, September 1980, pgs. 695-697, "Reduction of Some Functional Groups with Titanium(IV)
AR	Chloride/Sodium Borohydride" by S. Kano, Y. Tanaka, E. Sugino and S. Hibino.
	Tetrahedron, Vol. 50, No. 11, pgs. 3627-3638, (month unavailable) 1994, "Synthesis of 4-Aryl-2-
AS	benzazepine-1,5-diones by Photocyclization of N-(2-Arylethyl)phthalimides#" by M. R. Paleo, D.
	Dominguez and L. Castedo.
	J. Am. Chem. Soc., (month unavailable) 1966, pgs. 717-722, "Studies on the Syntheses of
AT	Heterocyclic compounds. Part CXXXVI. Rearrangement of 2-Nitro-1tetralone Oxime with
	Polyphosphoric Acid" by T. Kametani, H. Sugahara and H. Yagi.
EXAMINER	DATE CONSIDERED

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

	. \@	<u>~</u>	Sheet 3 of 5
Form PTO 1449	U.S. Department of Commerce	Atty. Docket No.	Serial No.
Rev. 7-80	Patent and Trademark Office	Mo-6750 / LeA 33,707	10/049,725
LIST OF	F PRIOR ART CITED BY APPLICANT TRADEMA	Applicant	
(Us	se Several Sheets If Necessary)	Ernst-Rudof F. Gesing et al	
		Filing Date	Group
		March 20, 2002	1614

U.S. PAIENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
A	AA						
	AB					A .	
	AC					1	
	AD					2 1/2	
Δ	٩E					CHCO NO	2/2
Д	٩F					WIED.	2003
	٩G					16	2003 0300
	4Н						1900
Α	Δ1						
	٩J						
م	AK						

FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY **CLASS** SUBCLASS Yes No AL AM ΑN ΑO ΑP

	OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)				
	J. Am. Chem. Soc., 95, June 1973, pgs 4083-4084, "Thermal Decomposition on				
AR	N-Chlorosulfonylurethanes. The Conversion of Alcohols to Amines" by J. B. Hendrickson.				
	Tetrahedron, Vol. 24, pgs. 3681-3696, (month unavailable) 1968, "Aziridine Formation by Lithium				
AS	AS Aluminum Hydride Reduction of Oximes" by K. Kotera, S. Miyazaki, H. Takahashi, T. Okada and				
	K. Kitahonoki.				
	J. Am. Chem. Soc., 88, May 1966, pgs. 2233-2240, "Conformational Mobility and Opitcal Rotation				
AT	Effects of Aromatic Nuclei" by J. H. Brewster and J. G. Buta.				
EXAMINER	DATE CONSIDERED				

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

_	1	JAH 2 1 2000			Sheet 4	_ of <u>_5</u>
Form PTO 1449 Rev. 7-80	U.S. Department of Comment Patent and Trademark Office F PRIOR ART CITED BY APPLICATION	Arger - wh	Atty. Docket No. Mo-6750 / LeA 33,7	07	Serial No. 10/049,725	
	F PRIOR ART CITED BY APPLICATES Several Sheets If Necessary)	Applicant Ernst-Rudof F. Gesing et al				
			Filing Date March 20, 2002		Group 1614	
		U.S. PATEN	T DOCUMENTS			
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE
	AA						
	AB					₽	
	AC						D
	AD					ECH JAN	
	AE						3
	AF					EP,	7003 O
	AG					,,,	0/20
	AH						90
	Al						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS TRAN		ATION
						Yes	No
AL							
AM							
AN						<u>. </u>	
AO							
AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	Tetrahedron Letters, Vol. 21, pgs. 909-912, (month unavailable) 1980, "N-Cyano-α-Diazoimine -				
AR	Synthese und Umlagerung Zu N-Cyanoketeniminen" by B. Aronold und M. Regitz.				
	J. Org. Chem. (month unavailable) 1981, 46, pgs. 1457-1465, "Chemical Modification of Nucleic				
AS	Acid Components: Reactions of Cytosine, Cytidine, Isocytosine, and Adenine with Methyl				
	N-Cyanomethanimidate by R. S. Hosmane and N. J. Leonard.				
	J. Org. Chem. 28, (month unavailable) 1963, pgs. 1816-1821, N-Cyanoimidates by K. R. Huffman				
AT	and F. C. Schaefer.				
XAMINER	DATE CONSIDERED				

EXAMINER Initial if references considered, whether or not citation is in conformance with MPEP 609: Draw line through if not in conformance and not considered. Include copy of this form with next communication to applicant.

Rev. 7-80 Commerce Patent and Trademark Office LIST OF PRIOR ART CITED BY APPLICANT RADEMARK					Atty. Docket No. Mo-6750 / LeA 33,7		Serial No. 10/049,725		
LIS	T OF PE	RIOR ART CITED BY A	PPLICANT	PRADEMAR	Applicant 10/049,725				
	(Use S	Several Sheets If Nece	ssary)		Ernst-Rudof F. Gesi Filing Date		Group		
1					March 20, 2002	,	1614		
			U.S.	PATENT	DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUME	BER D	ATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPRO- PRIATE	
	АА								
	AB	 							
	AC						2		
	AD					+ R	An C		
	AE AF				••••	70	123		
	AG						AN STOOMS	'	
	АН						030		
	AI						9)		
	AJ								
	AK		FORFIG	GN PATE	NT DOCUMENTS	1			
				SITTATE	<u>,_</u> · ·				
	DOC	CUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No	
								103 140	
AL	-								
AM									
AN									
AO									
AP		OTHER DRIOR	APT (Incl.	Idina Auth	nor, Title, Date, Pe	artinent Pages	Etc.)		
	Τ.			T				enthesis	
AR	(J. Am. Chem. Soc., (month unavailable) 1984, 106, pgs. 2805-2811, "Tri-s-triazine: Synthesis, Chemical Behavior, and Spectroscopic and Theoretical Probes of Valence Orbital Structure" by M. Shahbaz, S. Urano, P. R. LeBreton, M. A. Rossman, R. S. Hosmane, and N. J. Leonard.						ıcture" by	
AS					1711-				
АТ									
EXAMINER					DATE CONSIDERE	D			
		ences considered, whe				9 609: Draw line th	rough if not in con	formance and not	

Copies of documents previously submitted by WIPO.